

BLM 5–5 Section 5.2 Extra Practice

1. a) $12\sqrt{15}$ b) $5\sqrt{2}$ c) $\frac{21}{2}\sqrt{2}$ d) $9x^6$
2. a) $20 + 5\sqrt{2}$ b) $15\sqrt{3} - 3\sqrt{5}$
c) $2\sqrt{2} + 4$ d) $6x - 3\sqrt{2x}, x \geq 0$
3. a) $6 + 4\sqrt{3}$ b) $146 + 23\sqrt{7}$ c) -49 d) $93 + 24\sqrt{15}$
4. a) $x - 2\sqrt{x} - 3, x \geq 0$ b) $x^2 - 5$
c) $2x + 3\sqrt{x} - 2, x \geq 0$ d) $4x + 4\sqrt{x} + 1, x \geq 0$